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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/553,586	04/20/2000	Gideon Lee	79269.913	4827

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EXAMINER

BECKER, SHAWN M

ART UNIT	PAPER NUMBER
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2173

DATE MAILED: 08/13/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/553,586

Applicant(s)

LEE ET AL.

Examiner

Shawn M. Becker

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 July 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 14-33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 14-33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_                      6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 14-33 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,249,291 to Popp et al. (hereinafter Popp).

Referring to claim 14, Popp discloses a computer program product with computer usable medium having computer readable program code that uses a namespace in generating a GUI (web page in a browser). See the description about Group Object on page 15, line 36 – page 16, line 47 for a description of how Popp uses namespaces. A Name property identifies the group (namespace).

Popp discloses computer readable program code configured to cause a computer to associate each element of a GUI with a control mechanism; the GUI has at least one element. For example, see col. 4, lines 5-13 and line 64-67, which describe dynamically generating web pages and providing the associated control mechanism with each element within the web page.

Popp provides computer readable program code configured to cause a computer to generate a unique name space designation for each instance of the control mechanism at run-time (i.e. col. 3, lines 33-42), wherein the unique name space designation is not preassigned. Popp provides a namespace (group name) that contains a set of named elements, such that the names

Art Unit: 2173

within the group are resolved to a particular element. See col. 15, line 55 - col. 16, line 9. Each group has a unique name. As a further example of unique namespaces in Popp, since Popp is directed to developing and managing internet transactions, Popp discloses in col. 3, lines 42-52 that a virtual session may be formed for each user accessing the application (i.e. a form); thus, each user instantiates the control mechanisms of the form (web page) within their own session id (unique name space). The session id serves as the name space to which the identification of the control mechanism is resolved.

Popp teaches computer readable program code configured to cause a computer to use the unique name space designation to generate one or more definitional statements and identify the control mechanism with which the unique name space designation is associated. See col. 4, lines 20-26 and 35-41, which show how the plurality of definitional elements can be in a group (namespace) and generated by the group. Also see col. 19, line 60 – col. 20, line 20.

Referring to claims 21 and 28, Popp discloses a GUI system with a processor and method of using a namespace in generating a GUI that models a component of a GUI as a control that is implemented as program code (col. 4, lines 20-63) and dynamically generates at least one definitional statement for each instance of the component of the GUI using the program code. See col. 8, lines 38-60 and col. 17, lines 54-64. The definitional statement includes at least one attribute for instance of the component of the GUI, which includes a unique namespace designation that is not preassigned and is derived from the at least one attribute of the instance of the component and is capable of identifying the control. See col. 4, lines 20-26, which show how the plurality of definitional elements can be in a group (namespace) and generated by the

Art Unit: 2173

group. Also see col. 19, line 60 – col. 20, line 20. As a further example of unique namespaces in Popp, since Popp is directed to developing and managing internet transactions, Popp discloses in col. 3, lines 42-52 that a virtual session may be formed for each user accessing the application (i.e. a form); thus, each user instantiates the control mechanisms of the form (web page) within their own session (attribute of the instance) id (unique name space). The session id serves as the name space to which the identification of the control mechanism is resolved.

Referring to claims 15, 22, and 29, Popp teaches that the definitional statement includes a name attribute that specifies a data label and that the method and program code is configured to dynamically generate a label to be associated with data, and that label includes the unique name space designation. See col. 16, lines 30-47 and 64-67. Also, see col. 7, lines 7-12 and 19-23. The label is dynamically generated (i.e. col. 7, lines 56-57).

Referring to claims 16 and 23, Popp discloses that the label is associated with the data (col. 16, lines 64-67). Col. 20, lines 28-37 describes how the control mechanism is identified as recipient of the data using the unique name space designation in the label (“FORM.EMPLOYEE”). Also, see col. 12, lines 1-14.

Referring to claims 17 and 25, the one or more definitional statements in Popp are Hypertext Markup Language (HTML) statements. See col. 3, lines 34-42 and col. 4, lines 48-52.

Referring to claims 18, 24, and 32, the program code (control) is an object-oriented object. See the Element Objects section on col. 11, specifically lines 7-35, which describe how code for the definitional statements can utilize object-oriented programming.

Art Unit: 2173

Referring to claim 20, Popp discloses that the first of the plurality of GUI elements is defined as being within influence of a second of the plurality of GUI elements. See col. 4, lines 64-65, which describes that a control object (GUI element) can have sub controls.

Popp teaches associating a first unique name space designation with the definitional statements for the first of the plurality of GUI elements. Popp also teaches associating a second unique name space designation with one or more definitional statements for the second of the plurality of GUI elements, and the second name space designation includes the first name space designation. See col. 17, lines 1-46. Table 5 shows “WEBPEOPLE” is contained in the “SELECT\_FORM” object, and thus includes its name space designation.

Referring to claim 26, Popp discloses the step of generating a design for the GUI that identifies a plurality of GUI components. For example, see col. 4, lines 35-41.

Referring to claim 27, Popp discloses a first of the plurality of GUI components in the design is located within a second of the plurality of GUI components, wherein the unique namespace designation is associated with the second of the components and includes the step of generating at least one definitional statement for the first component of the GUI using the program code. The definitional statement includes at least one attribute for the first component of the GUI that comprises a first unique namespace designation, which includes the namespace designation associated with the second of the components. See col. 17, lines 1-46. Table 5 shows “WEBPEOPLE” is contained in the “SELECT\_FORM” object, and thus includes its name space designation. Also, see col. 16, lines 30-47.

Referring to claim 30, Popp discloses a browser configured to generate a name-value pair, wherein the name portion includes the label. Col. 6, lines 40-48 describe the use of a

Art Unit: 2173

browser, such as Netscape© or Mosaic©, and col. 20, lines 28-38 describe the use of name-value pairs including a label.

Referring to claim 31, Popp teaches a page control configured to examine the name portion of the name-value pair and to direct the name-value pair to the program code based on the namespace designation in the name portion. See col. 21, line 60 – col. 22, line 50, which describe push and pull methods to send the program code the appropriate value associated with the appropriate name space designation. Also, see col. 26, line 61 – col. 27, line 4.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 19 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Popp.

Popp describes how any language could be used as the control, including Java. See col. 10, line 56 – col. 11, line 17 and col. 7, lines 52-58. Popp does not explicitly teach the use of a Java Bean, however Java Beans are notoriously well known to be used in Java, which Popp teaches as a language for the control. The Examiner takes Official Notice of this teaching. It would have been obvious to use a Java Bean as the control in a GUI, because of their reusability and efficient visual programming.

*Response to Arguments*

5. Applicant's arguments filed 7/14/03 have been fully considered but they are not persuasive.

Applicant argues that Popp does not teach dynamically generating a unique namespace designation in real-time such that each instance of a GUI component has a unique namespace associated with it. However, Popp describes dynamically creating web pages such that each component, including its namespace designation is determined at run-time. See col. 17, lines 59-60 as an example. Also, see col. 3, lines 43-52 and col. 26, line 61 - col. 27, line 7, which describe how a session is formed for each user accessing an application, such that each user instantiates the components of the web page within their own session id (unique name space). The session id serves as the name space to which the identification of the control mechanism is resolved.

Applicant argues that the name attributes of Popp are assigned from data stored in hash table. However, in the cited section (col. 15, lines 61-65), Popp does not disclose assigning the name attributes from a hash table; rather Popp discloses that the name attributes can be stored in a hash table in order to traverse an object tree and retrieve (not assign) the element.

As Popp can dynamically generate web pages which include session identifiers, Popp dynamically generates a unique namespace for each instance of a control element of a GUI at run-time and results in browser independent GUI. See col. 3, lines 33-52, col. 6, lines 33-48, col. 7, lines 7-11, 19-23, and 45-58. col. 10, line 35-44, and col. 19, lines 1-8.



Art Unit: 2173

*Conclusion*

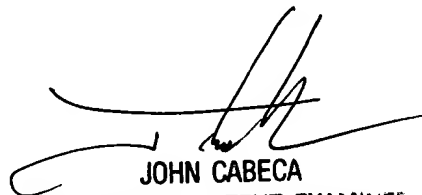
6. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach the use of name spaces in creating GUI elements.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawn M. Becker whose telephone number is 703-305-7756. The examiner can normally be reached on M-Th 8:00 - 5:30 and alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Cabeca can be reached on 703-305-3116. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

smb  
August 7, 2003



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